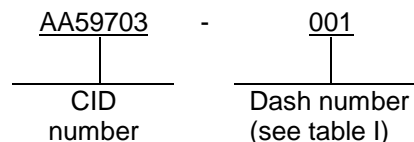


COMMERCIAL ITEM DESCRIPTION

FUSE CARTRIDGE, TIME-DELAY, CLASS J, 600 VOLTS (V), BLOWN FUSE INDICATION

The General Services Administration has authorized the use of this Commercial Item Description (CID) for all federal agencies.

1. **SCOPE.** This CID covers the general requirements for 600 volt, time-delay, class J type fuse cartridges. Fuse cartridges covered by this CID are intended for commercial/industrial applications.
2. **CLASSIFICATION.** This CID uses a classification system that is included in the Part Identification Number (PIN) as shown in the following example (see 7.1).

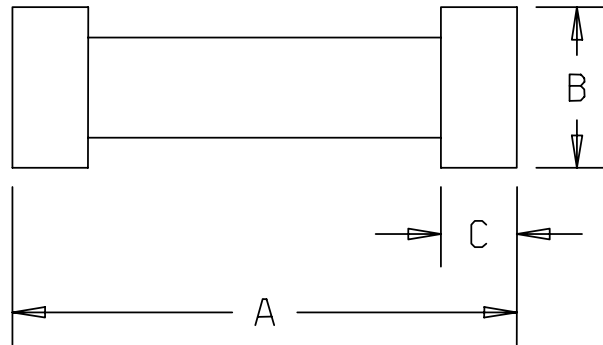


3. SALIENT CHARACTERISTICS.

- 3.1 Interface and physical dimensions. Fuse cartridges supplied to this CID shall be as specified herein (see figures 1 and 2).
- 3.2 Ampere rating. The ampere rating shall be as specified in table I.
- 3.3 Voltage rating. The voltage rating shall be 600 V ac maximum.
- 3.4 Short circuit interrupt rating. The short circuit interrupt shall be 200,000 amperes root mean square (RMS) symmetrical.
- 3.5 Opening time characteristics. This fuse shall open within 10 seconds minimum at 500 percent of rated current.
- 3.7 Blown fuse indication. This fuse provides blown fuse indication. Location of blown fuse indicator is optional.
- 3.8 Marking. Fuse cartridges supplied to this CID shall be marked with the manufacturer's standard commercial PIN.

Beneficial comments recommendations, additions, deletions, clarifications, etc., and any data which may improve this document should be addressed to: Defense Supply Center, Columbus, ATTN: DSCC-VAT, Post Office Box 3990, Columbus, OH 43216-5000, or telephone (614) 692-0548, or facsimile (FAX) (614) 692-6939.

A-A-59703

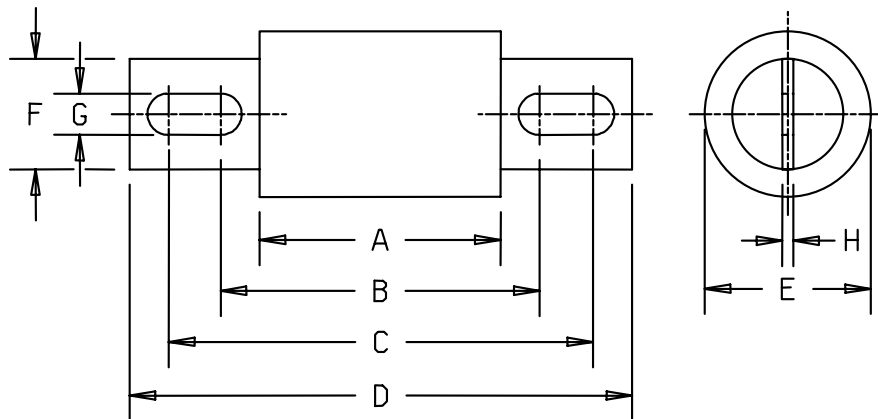


AA59703-	Dimensions		
	A	B	C
001 through 028	2.250 (57.2)	.813 (20.6)	.500 (12.7)
029 through 033	2.375 (60.3)	1.063 (27.0)	.625 (15.9)

NOTES:

1. Dimensions are in inches.
2. Unless otherwise specified, tolerance is ± 0.005 inch (0.13 mm).

FIGURE 1. Configuration and dimensions.



AA59703-	Dimensions							
	A	B	C	D	E	F	G	H
034 through 037	2.625 (66.7)	3.531 (89.7)	3.719 (94.5)	4.625 (117.5)	1 (25.4)	.750 (19.1)	.281 (7.1)	.125 (3.2)
038 through 042	3 (76.2)	4.281 (108.7)	4.469 (113.5)	5.750 (146.1)	1.500 (38.1)	1.125 (28.6)	.281 (7.1)	.188 (4.8)
043 through 047	3.375 (85.7)	5.125 (130.2)	5.375 (136.5)	7.125 (181.0)	2 (50.8)	1.625 (41.3)	.406 (10.3)	.250 (6.4)
048 through 050	3.750 (95.3)	5.844 (148.4)	6.156 (156.4)	8 (203.2)	2.50 (63.5)	2 (50.8)	.531 (13.5)	.375 (9.5)

NOTES:

1. Dimensions are in inches.
2. Unless otherwise specified, tolerance is ± 0.005 inch (0.13 mm).

FIGURE 2. Configuration and dimensions.

TABLE I. Electrical characteristics.

AA59703-	Ampere rating	AA59703-	Ampere rating
001	8/10	026	20
002	1	027	25
003	1 1/4	028	30
004	1 1/2	029	35
005	1 6/10	030	40
006	1 8/10	031	45
007	2	032	50
008	2 1/4	033	60
009	2 1/2	034	70
010	2 8/10	035	80
011	3	036	90
012	3 2/10	037	100
013	3 1/2	038	110
014	4	039	125
015	4 1/2	040	150
016	5	041	175
017	5 6/10	042	200
018	6	043	225
019	7	044	250
020	8	045	300
021	9	046	350
022	10	047	400
023	12	048	450
024	15	049	500
025	17 1/2	050	600

4. **REGULATORY REQUIREMENTS.** The offeror/contractor is encouraged to use recovered materials to the maximum extent practicable, in accordance with paragraph 23.403 of the Federal Acquisition Regulation (FAR).

5. **PRODUCT CONFORMANCE PROVISIONS.**

5.1 Product conformance. The products provided shall meet the salient characteristics of this CID, conform to the producer's own drawings, specifications, standards, and quality assurance practices, and be the same product offered for sale in the commercial market. The Government reserves the right to require proof of such conformance.

5.2 Market acceptance. The following market acceptance criteria are necessary to document the quality of the product to be provided under this CID:

- a. The company producing the item must have been producing a product meeting the requirements of this CID for at least 6 months.
- b. The company must have sold 1,000 units meeting this CID in the commercial marketplace over the past 6 months.

6. **PACKAGING.** Preservation, packing, and marking shall be as specified in the contract or order.

7. NOTES.

7.1 PIN. The PIN should be used for Government purposes to buy commercial products to this CID. See section 2 for PIN format example.

7.2 Commercial and Government Entity (CAGE) code. For ordering purposes, inventory control, and submission of these fuse cartridges to DSCC under the Military Parts Control Advisory Group (MPCAG) evaluation program, CAGE code 58536 should be used.

7.3 Source of document.

Other publications.

UNDERWRITERS LABORATORIES, INCORPORATED (UL)

UL 248-8 - Low-Voltage Fuses - Part 8: Class J Fuses.

(Applications for copies should be addressed to the Underwriters Laboratories, Incorporated, 333 Pfingsten Road, Northbrook, IL 60062-2096.)

(Industry association specifications and standards are generally available for reference from libraries. They are also distributed among technical groups and using federal agencies.)

7.4 Ordering data. The contract or order should specify the following:

- a. CID document number, revision, and CID PIN.
- b. Product conformance provisions.
- c. Packaging requirements.

7.5 Commercial products. As part of the market analysis and research effort, this CID was coordinated with the following manufacturers of commercial products. At the time of CID preparation and coordination, these manufacturers were known to have commercial products that would meet the requirements of this CID. (NOTE: This information should not be considered as a list of approved manufacturers or be used to restrict procurement to only the manufacturers shown.)

<u>Manufacturer's CAGE</u>	<u>Manufacturer's name and address</u>
75915	Littelfuse Incorporated 800 E. Northwest Highway Des Plaines, IL 60016-3096 Phone number: (847) 824-1188 Facsimile number: (847) 391-0894 E-mail: powrgard@littelfuse.com Uniform Resource Locator (URL): www.littelfuse.com

7.6 Part number (P/N) supersession data. This CID supersedes the following manufacturers' P/N's as shown. This information is being provided to assist in reducing proliferation in the Government inventory system.

TABLE II. P/N supersession data.

CID dash number (see table I)	MFR's CAGE 75915	CID dash number (see table I)	MFR's CAGE 75915	CID dash number (see table I)	MFR's CAGE 75915
AA59703/01-	MFR's P/N <u>1/</u>	AA59703/01-	MFR's P/N <u>1/</u>	AA59703/01-	MFR's P/N <u>1/</u>
001	JTD 8/10 ID	018	JTD 6 ID	035	JTD 80 ID
002	JTD 1 ID	019	JTD 7 ID	036	JTD 90 ID
003	JTD 1 1/4 ID	020	JTD 8 ID	037	JTD 100 ID
004	JTD 1 1/2 ID	021	JTD 9 ID	038	JTD 110 ID
005	JTD 1 6/10 ID	022	JTD 10 ID	039	JTD 125 ID
006	JTD 1 8/10 ID	023	JTD 12 ID	040	JTD 150 ID
007	JTD 2 ID	024	JTD 15 ID	041	JTD 175 ID
008	JTD 2 1/4 ID	025	JTD 17 1/2 ID	042	JTD 200 ID
009	JTD 2 1/2 ID	026	JTD 20 ID	043	JTD 225 ID
010	JTD 2 8/10 ID	027	JTD 25 ID	044	JTD 250 ID
011	JTD 3 ID	028	JTD 30 ID	045	JTD 300 ID
012	JTD 3 2/10 ID	029	JTD 35 ID	046	JTD 350 ID
013	JTD 3 1/2 ID	030	JTD 40 ID	047	JTD 400 ID
014	JTD 4 ID	031	JTD 45 ID	048	JTD 450 ID
015	JTD 4 1/2 ID	032	JTD 50 ID	049	JTD 500 ID
016	JTD 5 ID	033	JTD 60 ID	050	JTD 600 ID
017	JTD 5 6/10 ID	034	JTD 70 ID		

1/ The manufacturer's P/N shall not be used for procurement to the requirements of this CID.

At the time of preparation of this CID, the aforementioned commercial products were reviewed and could be replaced by the CID P/N shown.

7.7 Government users. To acquire information on obtaining these fuses from the Government inventory system, contact Defense Supply Center, Columbus, ATTN: DSCC-CSBB, Post Office Box 3990, Columbus, OH 43216-5000, or telephone (614) 692-7625.

MILITARY INTERESTS:

Custodians:
Navy - EC

CIVIL AGENCY COORDINATING ACTIVITY:

GSA - 7FXE

Preparing activity:

DLA-CC

Project 5920-0735